

24-NS-120423-6

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sitaraman et al.

Serial No.: 10/714,417

Filed: November 14, 2003

Art Unit: 3641

For: SYSTEMS AND METHODS FOR  
ESTIMATING HELIUM PRODUCTION IN  
SHROUDS OF NUCLEAR REACTORS

RECEIVED

OCT 19 2004

LICENSING &amp; REVIEW

**PETITION FOR LICENSE FOR FOREIGN FILING  
UNDER 37 C.F.R. 5.13 ON AN EXPEDITED BASIS UNDER 37 CFR 1.17(h)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Please note that this petition requests:

[ X ] expedited handling.

10/21/2004 CCOFER 00000006 012384 10714417  
01 FC:1460 130.00 DA [ X ] telephone report

**PETITION**

Petition is hereby made for a license under 37 C.F.R. 5.13, for the foreign filing of the subject matter attached hereto, for which no corresponding U.S. application exists.

It is requested that a copy of this petition be returned with the license or other action on the petition.

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**Identification of inventor(s)**

Inventor(s) name(s): Shivakumar Sitaraman, Ren-Tai Chiang and Alton Lewis Jenkins

**Title of invention**

Title of the invention: SYSTEMS AND METHODS FOR ESTIMATING HELIUM  
PRODUCTION IN SHROUDS OF NUCLEAR REACTORS

**Short statement as to the nature of the invention**

Methods and systems for estimating helium production in reactor shrouds using thermal  
or fast fluence.

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**Expedited handling**

☒ Expedited handling of this petition for license is requested. The fee therefor is to be paid as follows:

☐ Attached is a ☐ check ☐ money order in the amount of \$\_\_\_\_\_

☒ Authorization is hereby made to charge the amount of \$ 130.00

☒ to Deposit Account No. 01-2384

☐ to credit card as shown on the attached credit card information authorization form PTO-2038.

☒ Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

**Telephone notification of issuance of license**

☒ Please notify petitioner of the issuance of the license, by telephone, at the telephone number shown below, and fax a copy of the license to the petitioner at the fax number shown below.

Respectfully submitted,



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